

AMENDED CLAIMS

B1
12 (amended). The method according to claim 11, wherein a two-dimensional recentering of both MRI and scanner images is carried out by means of at least one rotation and/or translation operation, so that a pixel of the scanner image of coordinates (x,y) and a pixel of the MRI image of the same coordinates (x,y) represent the same portion of the [organ X-rayed] object.

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B2
25 (new) A method for combining first and second radiographic images of an object to provide a third image comprising the steps of:

providing the first image by CT scanning;

providing the second image by MR scanning;

recentering the first and second images by a two-dimensional rotation and/or translation so that the coordinates of the CT image and the MR image represent the same portion of the object;

fixing in the CT image gray scale levels corresponding to upper and lower limits of the CT interval;

fixing in the MR image gray levels corresponding to upper and lower limits of the MR interval;

combining the first and second images to provide the third image by linear interpolation by integration the respective lower and upper limits of the CT interval and the respective lower and upper limits of the MR image, the third image having gray levels which lie within the CT interval are replaced by pixels of the same coordinates in the MR image.

12. The method according to claim 11, wherein a two-dimensional recentering of both MRI and scanner images is carried out by means of at least one rotation and/or translation operation, so that a pixel of the scanner image of coordinates (x,y) and a pixel of the MRI image of the same coordinates (x,y) represent the same portion of the object.

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